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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number		10/655,894	
		Filing Date		September 4, 2003	
		First Named Inventor		Takahiro KAWAGUCHI et al	
		Group Art Unit		2854	
		Examiner Name		COLILLA, DANIEL JAMES	
Sheet	1	of	3	Attorney Docket Number	03544/LH

U.S. PATENT DOCUMENTS

Exam. Inits ¹	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
DC		6,776,545	B1	TERAO	08/17/04	
DC		6,698,956	A	TERAO et al	03/02/04	
DC		4,988,223		HILKENMEIER et al	01/29/91	
DC		4,993,854		SATO	02/19/91	
DC		2004/0170461	A1	KAWAGUCHI	09/02/04	
DC		6,805,503	B1	TSUCHIYA et al	10/19/04	
DC		4,767,227		MITSUISHI et al	08/30/98	

FOREIGN PATENT DOCUMENTS

Exam. Inits ¹	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
DC		JP	2001-219586	A	SEIKO EPSON CORP	08-14-2001		*
DC		JP	09-187972	A	OKI DATA:KK	07-22-1997		X*
DC		JP	07-125265	A	NEC TOHOKU LTD	05-16-1995		X*
DC		JP	5-35288	U		05-14-1993		
DC		JP	7-22994	B2	BROTHER IND LTD	02-15-1990		X*
DC		JP	09-314868	A	NEC DATA TERMINAL LTD	12-09-1997		X*
DC		JP	04-105945	A	NEC CORP	04-07-1992		X*
DC		JP	03-191036	A	TOSHIBA CORP	08-21-1991		X*
DC		JP	02-011336	A	MANNESMANN AG	01-16-1990		X*

*English language Abstract only.

Examiner Signature	<i>Daniel James Colilla</i>	Date Considered	3/8/05
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Exam. Inits ¹	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
DL		JP	3-7351	A	SEIKO EPSON CORP	01-14-1991		*
DL		JP	6-218954	A	SEIKO EPSON CORP	08-09-1994		*
DL		JP	2000-280497	A	TOSHIBA TEC CORP	10-10-2000		x*
			*English language Abstract only.					

Examiner Signature	<i>Dm [Signature]</i>	Date Considered	3/8/05
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Sheet	3	of	3	Attorney Docket Number	03544/LH
NON PATENT LITERATURE DOCUMENTS					
Exam Inits ¹	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ⁵
<i>DL</i>		Serial No.: 10/655,281, Inventor: KAWAGUCHI, T., Filing date: September 03, 2003			
<i>DL</i>		Serial No. 10/764,642, Inventor: KAWAGUCHI, T., Filing date: January 26, 2004			
<i>DL</i>		Serial No. 10/940,361, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004			
<i>DL</i>		Serial No. 10/940,362, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004			
<i>DL</i>		Serial No. 10/940,492, Inventor: TSUCHIYA, K. et al., Filing date: September 14, 2004			
<i>DL</i>		Serial No. 10/940,432, Inventor: KAWAGUCHI, T. Filing date: September 14, 2004			
<i>DL</i>		Serial No. 10/940,338, Inventor: KAWAGUCHI, T. et al., Filing date: September 14, 2004			
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